

TAMUZ
MONITORS

FLM 2132w

Digital Broadcast Monitor

GREY OWL 2.0



The unique multi-format Broadcast Video Monitor series available as version „SL“, according to limited t3320 Class-2 StudioLevel or as normal version „HD“, according to basic t3320 Class-2 Standards

- High-resolution active matrix TFT LCD color displays of latest technology
- Next-Generation advanced Image Processing Engine supporting 120 Hz and 10bit panels
- Alignable to fulfill EBU t3320-2010 Class-2 Recommendation (brightness 70 to 200 cd/m2)
- QA follows EBU t3325 Recommendation, assured by KonicaMinolta CS-2000 spectrometer
- MultiSync and MultiFormat capability at graphic or video I/O's
- Inputs for SD/HD/3G-SDI, DVI/HDMI, RGBHV, RGsB or RGBS, CCVS, YC, YUV, OpticalFibre
- Individual combination of inputs selectable by optional Licence Keys
- Direct access keys for input selection and main features, OSD menu for individual setups
- Broadcast features, like Markers, Blue-only, H/V-shift, Timecode, UMD, WSS/AFD or CC
- 3-color tally light at front, GPI/O port for input and tally
- Remote operation by IR remote controller, RS232 port and IP addressable 10/100 baseT port
- Built-in AAC Auto Alignment and Calibration with optional Color Analyzer Probe
- Rugged, compact and lightweight full metal housing design with VESA mounting threads
- Anti-reflective Glass Protection Filter, optional with ND function
- Built-in Speakers to monitor sounds from the optional SDI Audio De-embedder
- Available as basic standard and individual equipped and customized monitor



**High-End Monitoring Solutions for
your Broadcast and PostProduction applications!**

MultiFormat Digital Broadcast Monitors

TAMUZ® GREY OWL 2.0 Monitors contain state-of-the-art LCD technology and can be individually equipped with a selection of MultiSync I/O's for analog or digital Video signals. Various Broadcast features, like 3-color ON-AIR Tally, Markers, etc. are part of the concept.

Technical Specifications:

Screen Type: active matrix color TFT, MVA technology
 Screen Size: 32" wide
 Screen Format: 16:9 native aspect ratio
 Pixel Resolution: 1920 x 1080 RGB dots
 Screen Resolution: 69 dpi
 Color Resolution: 16.7 million colors (8 bit)
 Color Reproduction: full EBU color space
 Color Temperature: 6504 K nominal
 Color Temp. Range: 2400 to 9500 K select and adjustable
 Brightness @ SL Version: aligned to 80 cd/m² (EBU t3320-2010)
 Black @ SL Version: aligned to <0,04 cd/m²
 Contrast @ SL Version: >2.200:1 for static B/W/B
 Brightness @ standard: aligned to 200 cd/m², max. 400 cd/m²
 Black @ standard: aligned to <0,09 cd/m²
 Contrast @ standard: >2.200:1 for static B/W/B
 Response Time: 6 ms, typical
 Viewing Angle: ±85° horizontal, ±85° vertical
 Backlight: multiple special CCF Lamps
 Backlight Lifetime: >40.000 h's
 Screen Classification: A Grade
 Screen Certification: ISO 13406-2, Cl. 2

Tally Light: multicolor LED in front
 Tally Function: closed contact at GPI/O port
 Tally Connector: Sub-D 9pin

Remote Port: RS232 @ Sub-D 9pin
 TCP/IP port: 10/100 baseT @ RJ-45
 Web Interface: accessible with any browser

Adapted Power Supply: Switching Power Supply
 Power Consumption: 96 W (@ FLM 2132W HD)
 Mains Voltage: AC 100-240 V ±10%, 50-60 Hz
 Mains Connector: IEC-320 3pin

Housing: full lightweight metal
 Frame Color: coated RAL 7016 / RAL 9005
 Panel Protection: non-glare anti-reflective glass filter
 Dimensions: 760 (W) x 520 (H) x 100 (D) mm
 Weight: 18,2 kg
 VESA Mounting: VESA100 threads at rear

Environment operation: 0 to +50°C, 20 to 80% humidity
 storage: -30 to +60°C, 5 to 90% humidity
 Certification: CE, FCC15, EN 50082-2, EN 55022

Accessories: IR Remote, Power cord, Manual
 Input Options: analog HD RGB Component inputs,
 1st & 2nd DVI/HDMI input,
 2nd SD/HD/3G-SDI input
 Options: SDI Audio deembedded and Speakers,
 static or flexible desktop stand,
 19" 12 RU rack mount kit,
 10 bit or LED TFT panel on request

Interface Type: TAMUZ® EAGLE 2.0
 Interface Characteristic: HDTV MultiFormat MultiSync
 Image Processing: 16 bit Image Engine, HiFidelity LUT
 gamma and color management
 Video Processing: exclusively developed I/P conversion,
 HiRes digital pixel mapping
 Processing Times: 1 field @ I-mode, 1 frame @ P-mode
 Aspect Ratio: 4:3, 16:9, full image as standard
 Scaling: Normal/1:1/Under-/Overscan/Zoom
 Markers: Center, SafeArea, SafeTitle, 4:3 SD,
 Academy, CinemaScope, User
 IMD Function: UMD, Timecode, Tally as option
 Operation: OSD Menu, direct keys
 Remote Operation: IR remote, RS 232, TCP/IP 10/100

SDI Inputs: 10 bit, 270 Mbit/s, 1.485 / 2.970 Gbit/s
 800 mVpp, 4:2:2 or 4:4:4
 SD/HD Standards: BT.656 / SMPTE 125M / 259M / 274M /
 296M / 372M / 424M / 425M-A/B / 2k
 SD/HD/3G Formats: 2048p / 2048 psp @ 25 / 24 / 23.98
 1080p @ 60 / 59.94 / 50
 1080p @ 30 / 29.97 / 25 / 24 / 23.98
 1080i @ 30 / 29.97 / 25
 720p @ 60 / 59.94 / 50
 720p @ 30 / 29.97 / 25 / 24 / 23.98
 576i @ 25
 480i @ 30

SD/HD-SDI Loop: active buffered
 SD/HD-SDI Connector: BNC 75 Ohm, terminated

Graphic analog Input: W-UXGA 1920 x 1200, max.
 Graphic digital Input: DVI-D / HDMI 1920 x 1200, max.
 Graphic Formats: CGA, EGA, VGA, SVGA, W-SVGA, XGA,
 W-XGA, SXGA, W-SXGA, UXGA, W-
 UXGA, MAC, Hercules, HDTV and more
 Sync Mode: HV, RGsB, RGBS, composite
 V-Sync: Vmin = 23 Hz, Vmax = 110 Hz
 H-Sync: Hmin = 15 kHz, Hmax = 85 kHz
 Graphic Connector: Sub-D 15pin HD
 DVI Connector: DVI-D 28pin, for HDMI use adapter

Composite Video Input: 1 Vpp, 5 MHz ±0.2 dB
 Video Sync: composite
 Video S/N: >65 dB
 Video Standards: 625/50, 525/60, auto detection
 Impedance: 75 Ohm active loop through
 Video Connector: BNC 75 Ohm, terminated



Type	aligned to	SDI1 In	SDI1 Out	SDI2 In	SDI2 Out	DVI1 In	DVI2 In	VGA In	CCVS In	CCVS Out	YC In	YUV In	Speaker
FLM 2132W SL	80 cd/m ²	3G-SDI	Loop	Option	Option	DVI/HDMI	Option	Yes	Option	Option	Option	Option	Option
FLM 2132W HD	200 cd/m ²	3G-SDI	Loop	Option	Option	Option	Option	Yes	Yes	Loop	Yes	Option	Option

GREY OWL 2.0 series Monitors are available in various screen sizes starting from 9"W. All monitors are equipped with the AAC feature using a color analyzer probe for Automatic Alignment and Calibration. The integrated TCP/IP port allows external remote control.

Handmade In Germany

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